| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S7 | 1 | ("5383099").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/20 15:01 |
| S13 | 29 | ("20020053676" \| "5294833" \| "5351255" \| "5366927" \| "5393993" \| "5409859" \| "5523589" \| "5585648" \| "5661074" \| "5670798" \| "5679152" \| "5679965" \| "5684309" \| "5777350" \| "5818072" \| "5874747" \| "6046464" \| "6133589" \| "6150672" \| "6153010" \| "6153894" \| "6156581" \| "6201262" \| "6238945" \| "6337493" \| "6459100" \| "6664560" \| "6717185" \| "6734033").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/30 10:59 |
| S31 | 31 | ("4313125" \| "5173751" \| "5247533" \| "5338944" \| "5387804" \| "5408120" \| "5523589" \| "5585648" \| "5592501" \| "5631190" \| "5661074" \| "5670798" \| "5739554" \| "5747832" \| "5751752" \| "5862167" \| "5874747" \| "5880491" \| "5900647" \| "5987048" \| "6028877" \| "6046464" \| "6057049" \| "6067310" \| "6072189" \| "6078064" \| "6084899" \| "6118801" \| "6153894" \| "6657234" \| "RE36747").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/02 07:41 |
| S67 | 5 | ("20030047744" \| "5889806" \| "6249534" \| "6252894" \| "6597716").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/05 12:15 |
| S69 | 213 | @ad<"20030625" and 257/18.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/05 16:19 |
| S71 | 721 | (mqw ((multi multiple) adj "quantum well")) near4 (ingan gainn) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 10:42 |
| S72 | 512 | S71 and @ad<"20030625" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 10:42 |
| S73 | 262 | S72 and (well barrier) adj layer | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 10:42 |
| S74 | 654 | (mqw ((multi multiple) adj "quantum well")) near3 (ingan gainn) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 12:33 |
| S75 | 467 | S74 and @ad<"20030625" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 10:42 |

| S76 | 231 | S75 and (well barrier) adj layer | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 10:43 |
|---|---|---|---|---|---|---|
| S77 | 100 | S75 and ((ingan gainn) near3 ((well barrier) adj layer)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 10:44 |
| S78 | 0 | ("6838705").URPN. | USPAT | OR | ON | 2005/12/06 11:16 |
| S79 | 7 | ("5146465" \| "5656832" \| "5679965" \| "5932896" \| "5959307" \| "6172382" \| "6337493").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 11:16 |
| S80 | 654 | (mqw ((multi multiple) adj "quantum well")) near3 (ingan gainn) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:34 |
| S81 | 467 | S80 and @ad<"20030625" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 12:33 |
| S82 | 100 | S81 and ((ingan gainn) near3 ((well barrier) adj layer)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 12:33 |
| S83 | 4 | S82 and (mqw ((multi multiple) adj "quantum well")) with (("3" three third) adj layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 12:41 |
| S84 | 15 | S82 and ((mqw ((multi multiple) adj "quantum well")) active) with (("3" three third) adj layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:28 |
| S85 | 11913 | "quantum well" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:39 |
| S86 | 654 | (mqw ((multi multiple) adj "quantum well")) near3 (ingan gainn) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:39 |
| S87 | 467 | S86 and @ad<"20030625" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:39 |
| S88 | 100 | S87 and ((ingan gainn) near3 ((well barrier) adj layer)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:39 |
| S89 | 3 | S88 and ((mqw ((multi multiple) adj "quantum well")) active) near10 (intermediate adj layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:40 |
| S92 | 42 | @ad<"20030625" and 257/10-39, 79-103.ccls. and (ingan gainn) adj GaN same ("super lattice" or superlattice) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:07 |
| S95 | 371 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice) same buffer | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 15:52 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S96 | 292 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice) with buffer | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 15:52 |
| S100 | 1 | ("6266355").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/20 15:06 |
| S101 | 4 | ("6266355").URPN. | USPAT | OR | ON | 2005/12/07 09:58 |
| S103 | 35 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice or clad$) same well same barrier same "band gap" and (ingan gainn) and (algan gaaln) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 11:20 |
| S104 | 150 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice or clad$) same well same barrier same "band gap" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 12:27 |
| S105 | 350 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice or clad$) same well same barrier same ("band gap" energy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 14:46 |
| S106 | 73 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice or clad$) same well same barrier same ("band gap" energy) and (block$3 adj layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 12:34 |
| S107 | 19 | ("5578839" \| "5777350" \| "5780876" \| "5786603" \| "5786606" \| "5841802" \| "5945689" \| "5959307" \| "6153894" \| "6172382" \| "6242761" \| "6252894" \| "6320893" \| "6423984" \| "6441393").PN. OR ("6586762"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 13:39 |
| S108 | 46 | ("5959307").URPN. | USPAT | OR | ON | 2005/12/16 13:43 |
| S109 | 0 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ((increas$3 improv$3) adj intensit$3) and ((block$ and confin$5) near2 layer) same ("band gap" energy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 16:15 |
| S110 | 174 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ((increas$3 improv$3) adj intensit$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 14:55 |
| S111 | 8 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ((increas$3 improv$3) adj intensit$3) and ((block$ and confin$5) near2 layer) and ("band gap" energy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 14:58 |

| S11 4 | 1456 | ("light emitting device" "light emitting diode") and (alingan algainn ingaaln inalgan gaalinn gainaln) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 16:11 |
|---|---|---|---|---|---|---|
| S11 5 | 1574 | ("light emitting device" "light emitting diode") and (alingan algainn ingaaln inalgan gaalinn gainaln) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/16 16:11 |
| S11 6 | 343 | S115 and (second near3 (clad$4 adj layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/19 08:37 |
| S11 7 | 283 | S116 and @ad<"20040416" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/16 16:13 |
| S11 8 | 4 | S117 and ((block$3 and confin$5) near2 layer) same ("band gap" energy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/19 12:20 |
| S11 9 | 31 | S117 and ((block$3 and confin$5) near2 layer) and ("band gap" energy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 16:45 |
| S12 6 | 1574 | ("light emitting device" "light emitting diode") and (alingan algainn ingaaln inalgan gaalinn gainaln) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/19 08:37 |
| S12 7 | 70 | S126 and ((third three) near3 (clad$4 adj layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/19 08:38 |
| S12 8 | 133 | @ad<"20040416" and ((block$3 and confin$5) near2 layer) same ("band gap" energy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:11 |
| S12 9 | 0 | ("2004/0125839").URPN. | USPAT | OR | ON | 2005/12/19 12:25 |
| S13 0 | 58 | @ad<"20040416" and ((block$3 and confin$5) near2 layer) and barrier with (algan gaaln) same well | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/19 13:14 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S13 1 | 41 | @ad<"20040416" and ((block$3 and confin$5) near2 layer) and barrier near5 (algan gaaln) same well | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/19 13:52 |
| S13 2 | 13 | @ad<"20040416" and ((block$3 and confin$5) near2 layer) and barrier near5 (algan gaaln) same well not guide | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/19 13:53 |
| S13 3 | 200 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice) with (clad$4 adj layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 06:56 |
| S13 4 | 138 | @ad<"20030625" and 257/10-39, 79-103.ccls. and ("super lattice" or superlattice) near5 (clad$4 adj layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:21 |
| S13 7 | 47 | @ad<"20030625" and 438/22-47. ccls. and ("super lattice" or superlattice) near5 (clad$4 adj layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 14:50 |
| S13 8 | 22 | @ad<"20040416" and 438/22-47. ccls. and ((block$3 and confin$5) near2 layer) same ("band gap" energy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:17 |
| S14 1 | 927 | (((block$3 or confin$5) near2 layer) and ("band gap" energy)).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:30 |
| S14 2 | 6 | (("super lattice" or superlattice) near5 (clad$4 adj layer) and ((block$3 or confin$5) near2 layer) and ("band gap" energy)).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:33 |
| S14 3 | 280 | ((clad$4 adj layer) and ((block$3 or confin$5) near2 layer) and ("band gap" energy)).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:33 |
| S14 4 | 95 | ((clad$4 adj layer) and barrier and ((block$3 or confin$5) near2 layer) and ("band gap" energy)).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/20 15:34 |